

ABSTRACT

An automatic medicament injector having a compartment for a dry medicament component and a compartment for a wet medicament component. The two compartments are separated by a seal structure that has a plug that is moved from a sealing position into a mixing position when the device is activated. The seal structure includes a wiper that scrapes the interior walls in the dry component compartment to prevent the dry component from accumulating at the seal/glass interface. A tapered insert “funnels” the mixed medicament components to an attached needle assembly, but can be removed when the device is filled. A filter is provided between the medicament compartments and the needle assembly. A chamber between the filter and the needle assembly allows for better flow through the filter. An actuation assembly drives the plug into the mixing position and forces the mixed medicament through the needle and into the user.